

Amendments to the Specification:

Page 1, line 1, delete the title "Description"

Page 1, before line 5, the paragraph beginning with "The invention relates" insert the following titles and paragraph:

-- CROSS-REFERENCE TO RELATED APPLICATIONS

This is a U.S. national stage of application No. PCT/EP2004/050977, filed on 1 June 2004. Priority is claimed on the following application: Country: Germany, Application No.: 103 29 511.9, Filed: 30 June 2003.

BACKGROUND OF THE INVENTION --

Please replace the paragraph beginning on page 1, line 10, with the following amended paragraph:

-- By way of example, rotation rate sensors have been disclosed in ~~EP 0 461 761 B1 U.S.~~ Patent No. 5,226,321 in which a vibration gyro is excited on two radially directed axes, for which purpose a primary and a secondary control loop, with appropriate transducers, are provided on the vibration gyro. When such rotation rate sensors are used in order to stabilize the vehicle movement in vehicles, then hazards can occur as a result of failure or a malfunction. In order to avoid this, functional monitoring must be provided for the rotation rate sensor. --

Page 1, before line 20, the paragraph beginning with "In the case", insert the following title:

SUMMARY OF THE INVENTION

Please replace the paragraph beginning on page 2, line 5, with the following amended paragraph:

-- ~~One advantageous refinement provides that~~ In one embodiment, the checking components are designed to measure values in the function section and to compare the measured values with limit values. In this case, the checking components are furthermore preferably designed to measure the sensor output signal and to compare the measured sensor output signal with limit values. --

Please replace the paragraph beginning on page 2, line 12, with the following amended paragraph:

-- Even better checking is made possible ~~by a development of this refinement, which consists in that if~~ the checking components are ~~furthermore~~ designed to test the functional components, with test signals being produced and being supplied to the functional components, and the reaction of the functional components to the test signals being measured. --

Please replace the paragraph beginning on page 2, line 29, with the following amended paragraph:

-- ~~Another advantageous requirement of the invention consists in that the~~ The monitoring components are designed essentially to monitor digital checking components. In this case, in detail, it is possible to provide for the monitoring section to have a component for monitoring the clock of a microcomputer which is contained in the checking section, and/or for the monitoring section to have a watchdog circuit for monitoring a microcomputer which is contained in the checking section. Furthermore, this refinement can be designed in such a way that the monitoring section contains a device for testing memories within the checking section. --

Please replace the paragraph beginning on page 3, line 6, with the following amended paragraph:

-- Electronic circuits, including programmable devices, are frequently formed by application-specific integrated circuits (ASICs), ~~ASIC for short~~. These have a very large number of gate circuits which are frequently used in the duplicated form when the respective signal flow and the linking logic allow. In order not to endanger the high degree of safety achieved by the safety device according to the invention, one development of the invention provides that components in the function section, in the checking section and in the monitoring section be formed by an application-specific integrated circuit (ASIC), and that gate circuits which are contained in the circuit be in each case associated with only one of the sections. --

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Page 3, before line 19, the paragraph beginning with "The invention allows", insert the following title:

BRIEF DESCRIPTION OF THE DRAWINGS

Please replace the paragraph beginning on page 3, line 19, with the following amended paragraph:

-- The invention allows numerous embodiments. One of these will be described in the following text and is illustrated schematically in a number of figures in the drawing, in which:

Figure 1 shows is a schematic illustration of the various sections, and

Figure 2 shows is a block diagram of a device according to the invention, using the example of a rotation rate sensor. --

Page 3, before line 30, the paragraph beginning with "The exemplary embodiment", insert the following title and paragraph:

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

Please replace the paragraph beginning on page 4, line 19, with the following amended paragraph:

-- Components of the sections 4, 5, 6 are illustrated in somewhat more detail in the block diagram in Figure 2. Thus, for example, two amplifiers 10, 11, an analog/digital converter 12 and a digital/analog converter 13 are provided for operation of the vibration gyro 1. Further

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components, for example filters, are not required for understanding of the invention and are therefore not illustrated and explained in any more detail. The signals which are tapped off from the vibration gyro 1, are amplified at 11 and are digitized at 12 are processed in digital form at a digital signal processor 14, resulting in a driver signal which is supplied via the digital/analog converter 13 and the amplifier 10 to one input of the vibration gyro 1. --

Page 7, line 1, amend the title as follows:

-- ~~Patent Claims~~ What is Claimed is: --